

METHODS FOR OBTAINING PRINT AND OTHER HAND
CHARACTERISTIC INFORMATION USING A NON-PLANAR PRISM

ABSTRACT OF THE DISCLOSURE

A method is provided that images a full palm print and/or a full palm and fingerprint for a hand positioned on a non-planar surface of an optical element. The hand is placed on the non-planar surface of the optical element. A measuring device can be rotated about a centerline axis of the optical element. During the rotation, a circular image of the full palm print (including thenar, hypothenar, interdigital, palm heel, "writers palm," palm pocket, and fingertips) and/or full palm and finger prints, and/or hand characteristic information (e.g., hand geometry, spacing, etc.) can be captured by the measuring portion. The optical element can also include a calibration area (e.g., target) that can be used to calibrate the measuring device during each scan and/or be captured with the image for future quality control of the captured image.

180336.1